IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (**Currently Amended**) A hollow waveguide, the waveguide comprising a wall having plural pegs thereon which project into the hollow interior of the waveguide such that the waveguide propagates electromagnetic waves only below a certain frequency, the surface of each of the pegs being substantially free of discontinuity **and wherein at least some of the pegs have a substantially elliptical cross-sectional shape**.

2. (Original) A wave guide according to claim 1, wherein the surface of each the pegs is substantially free of concavities.

3. (Previously Presented) A waveguide according to claim 1, wherein at least some of the pegs have a substantially circular cross-sectional shape.

4-5. (**Cancelled**)

6. (Previously Presented) A waveguide according to claim 1, wherein at least some of the pegs have a domed head.

7. (Previously Presented) A waveguide according to claim 1, wherein at least one peg has a convex fillet around its base at the junction between the peg and the wall.

8. (Previously Presented) A waveguide according to claim 1, comprising a second wall opposing the first wall and spaced therefrom, the face of the second wall that opposes the first wall being substantially planar.

9. (Previously Presented) A waveguide according to claim 1, wherein the waveguide is dimensioned to propagate electromagnetic waves having a frequency of at least 10 GHz..

10. (Previously Presented) A waveguide according to claim 1, wherein the waveguide is dimensioned to propagate only electromagnetic waves having a frequency less than about 100 GHz.

11. (**Cancelled**)

12. (**Currently Amended**) [[A]] **The** hollow waveguide **of claim 1**, ~~the waveguide comprising a wall having plural pegs thereon which project into the hollow interior of the waveguide such that the waveguide propagates electromagnetic waves only below a certain frequency,~~ **wherein** each **of the plural** peg**s** ~~having~~ **has** a convex head.

13. (**Currently Amended**) Transmitter-receiver apparatus, the apparatus comprising:

at least one antenna for transmitting and receiving signals,

an electronics module for providing signals to the antenna for transmission and for receiving signals received by the antenna, and

a hollow waveguide ~~according to any of the claims 1 to 12~~ selectively coupling the electronics module to the antenna**, the waveguide having a wall having plural pegs thereon which project into the hollow interior of the waveguide such that the waveguide propagates electromagnetic waves only below a certain frequency, the surface of each of the pegs being substantially free of discontinuity and wherein at least some of the pegs have a substantially elliptical cross-sectional shape**.

14. (Withdrawn) A method of manufacture of a hollow waveguide, the waveguide comprising a wall having plural pegs thereon which project into the hollow interior of the waveguide such that the waveguide propagates electromagnetic waves only below a certain frequency, the surface of each of the pegs being substantially free of discontinuity, the waveguide being formed from a waveguide material, the method comprising:

disposing a quantity of waveguide material into a mould tool having plural recesses in a surface therein, wherein each recess corresponds to a said peg;

moulding the material; and

removing the hollow waveguide from the mould.

15. (Withdrawn) A method according to claim 14, wherein the waveguide material comprises a plastics material..

16. (Withdrawn) A method according to claim 15, wherein said plastics material is metallised plastics material.

17. (Withdrawn) A method according to claim 14, wherein said moulding is pressure die-casting.

18. (Withdrawn) A method of manufacture of a hollow waveguide, the waveguide comprising a wall having plural pegs thereon which project into the hollow interior of the waveguide such that the waveguide propagates electromagnetic waves only below a certain frequency, each peg having a convex fillet around its base at the junction between the peg and the wall, the waveguide being formed from a waveguide material, the method comprising:

disposing a quantity of waveguide material into a mould tool having plural recesses ina surface therein, wherein each recess corresponds to a said peg;

moulding the material; and

removing the hollow waveguide from the mould.

19. (Withdrawn) A method of manufacture of a hollow waveguide, the waveguide comprising a wall having plural pegs thereon which project into the hollow interior of the waveguide such that the waveguide propagates electromagnetic waves only below a certain frequency, each peg having a convex head, the waveguide being formed from a waveguide material, the method comprising:

disposing a quantity of waveguide material into a mould tool having plural recesses in a surface therein, wherein each recess corresponds to a said peg;

moulding the material; and

removing the hollow waveguide from the mould.